

# Jubilant Vitality Brief: Plugin-Free Terminal Emulation



## Situation

Netscape Plugin Application Programming Interface (NPAPI) is an API which allows plugins to be integrated into web browsers.

Some terminal emulators still require NPAPI to function such as Attachmate Reflection for the Web versions prior to 13.0.

## Obstacle

NPAPI support began to be phased out by many software vendors in 2013. This is due to the age of the API (having first been developed in 1995), ongoing security issues, and the use of alternative technologies such as HTML 5.

The only major web browser with NPAPI plugin support is Microsoft Internet Explorer. Microsoft is ending support for Internet Explorer on June 15<sup>th</sup> 2022.

## Implication

For users emulators which require NPAPI support to function this presents a number of dilemmas.

- For users of Attachmate Reflection for the Web, if organizations don't upgrade to version 13.0 they risk losing access to their vital legacy systems once Microsoft's Internet Explorer support ends on June 15<sup>th</sup> 2022.
- Upgrading their software licenses to version 13.0 may lead to increased licensing costs.
- The depreciation of the Java plugin and Web Start means that these plugins lack security updates, leaving them exposed to future cyberthreats. Organizations still using software which requires them are increasing their threat surface and leaving themselves vulnerable to potentially damaging cyberattacks.
- Organizations will struggle to gain ISO 9001 Certification and risk becoming uncompliant in data security standards such as GDPR. They may also risk uncompliance with insurance policies, if an incident occurs and an audit is conducted this will be especially risky.
- Functionally, the Reflection launcher can only be installed client-side on a Windows workstation, preventing centralised administration and restricting OS choice, while eliminating the potential for mobile and tablet usage. This prevents it from being a pure-web solution.

## Solution

A solution is to move to a pure-html alternative emulator such as Jubilant Terminal Emulator. Being pure html means that Jubilant Terminal Emulator can be accessed on any existing web browser, including the most popular browsers on the market (both desktop and mobile based, across a wide variety of operating systems). It is also optimized for all browsers- ensuring optimized usability for all users.

Jubilant Terminal Emulator requires no downloads, outdated plugins, launchers or additional software to operate. This allows for consistent maximum security. It can also be administered centrally via its admin console. Jubilant helps minimize your organization's threat surface while removing the need for users to download and update software client-side.

## Conclusion:

Jubilant Terminal Emulator represents an excellent alternative to Attachmate Reflection for the Web. Jubilant allows access to legacy systems on any web browser safely and securely with minimal disruption or upkeep.

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